

LUCY E DELANEY

University of Illinois at Chicago
Department of Biological Sciences
Chicago, IL 60607



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Education

UNIVERSITY OF ILLINOIS AT
CHICAGO

PhD, Ecology and Evolutionary Biology (Expected Fall 2021)
Dissertation: *How do we understand natural selection?*
Advisor: Joel S. Brown

HUNTER COLLEGE

MA, Molecular and Cellular Biology (2016)

JOHN JAY COLLEGE OF
CRIMINAL JUSTICE

BS, Forensic Molecular Biology (2012)
Minor: Philosophy

Teaching Honors

GRADUATE STUDENT
EXCELLENCE IN TEACHING
AND MENTORING AWARD

2021 Honorable Mention
One of three PhD candidates recognized by the University for
excellence in undergraduate teaching and mentoring.

SERVICE AWARD

2021 Department of Biological Sciences Graduate Service Award
Awarded for Department-wide efforts to aid in online instruction.

GRADUATE STUDENT
TEACHING AWARD

2020 Department of Biological Sciences Graduate Teaching Award
Awarded for excellence in teaching in Genetics.
2018 Department of Biological Sciences Graduate Teaching Award
Awarded for excellence in teaching in Evolution.

University Teaching

INSTRUCTOR OF RECORD

Foundations for the Future Fall 2021



Focused on the practical skills students need to develop and implement their senior Capstone (research) projects. Students begin the practice of establishing professional identities through weekly meetings and course activities that examine the various components of research, and the personal motivations that drive our work.

COURSE COORDINATOR



Biology Colloquium Fall 2021



Designed to generate a sense of community, belonging, and excitement among new biology majors. Composed of newly-admitted freshman and transfers, and upper-division majors ready to take on a leadership role. I develop the course structure and oversee all activities, with emphasis on student mentoring at both levels.






COURSE BUILDER

Biological Sciences Department Summer 2020–Summer 2021  

Training faculty and Graduate Teaching Assistants in online pedagogy and instructional tools with written materials, tutorial videos, and drop-in hours. I assist in building courses from the ground up, and provide technical support throughout online delivery.

GRADUATE TEACHING ASSISTANT

During my eleven semesters as teaching assistant, I taught discussion¹ and laboratory² sections, designed & created instructional materials³, held study sessions⁴, and worked with students on  programming skills⁵ in courses ranging from introductory to advanced. I also taught online and managed Blackboard administration⁶ during Covid-19.

Mendelian and Molecular Genetics^{1,3,4,6}   Fall 2019–Summer 2020

General Ecology Laboratory^{2,4,5}  Summer 2019

Ecology and Evolution^{3,4} Spring 2019

Evolution^{3,4,5} Fall 2017–Fall 2018

Biology of Populations and Communities^{2,4} Fall 2016–Spring 2017

Areas of Undergraduate Teaching Focus

Introductory and Intermediate Ecology & Evolutionary Biology. Basic ecological systems, ecosystem dynamics, and core evolutionary principles, with emphasis on application via introductory field experimentation and programming.




Advanced Evolutionary Biology. History & development of evolutionary theory, evolutionary mechanisms, population genetics, quantitative genetics, species & speciation, phylogenetic comparative methods, and macroevolutionary processes, with introduction to computational applications.




Genetics. Principles of genetics, gene & chromosome structure, gene expression, inheritance of complex traits, and Mendelian & non-Mendelian inheritance.





Research and Professional Skills. Principles of research, research methodologies, resume & CV building, applying to graduate schools, finding & applying for funding, professional writing & speaking, and basic computational skills.



Conference Presentations

Evolution Education Research

July 2021 at Society for the Advancement of Biology Education Research | Virtual Talk   

June 2021 at Society for the Study of Evolution | Virtual Talk   


March 2021 at Midwest Ecology and Evolution Conference |  Best Graduate Talk   

January 2021 at SABER West | Virtual Roundtable  


Flowering Plant Breeding Systems

July 2021 at Botanical Society of America | Virtual Talk   

July 2018 at Botanical Society of America | Rochester, MN | Poster 

August 2017 at microMORPH | Arnold Arboretum of Harvard University | Talk 

Publications

Delaney, Lucy E. (2012). Nietzsche, nerve stimulation-image connection, and ontology. *John Jay's Finest*, 27, 99–103. 

Accepted, in revision

Delaney, Lucy E & Igić, B. The phylogenetic distribution and frequency of self-incompatibility in Fabaceae. *International Journal of Plant Sciences*.









In preparation

Delaney, Lucy E. The orchids and their breeding systems. *Prepared for Orchids magazine*.







Delaney, Lucy E & Brown, J. S. University students' descriptions and explanations of adaptation. I. A framework for systematic analysis.

Delaney, Lucy E & Brown, J. S. University students' descriptions and explanations of adaptation. II. A framework for pedagogical explanation.

Professional Activities

-  **2021** Participant in the Undergraduate Mentoring Program at the Annual Evolution Conference
-  **2021** Invited member of UIC student advisory group concerning graduate student teaching support
-  **2020** Participant in the 2020 Chicago  Collaborative Conference 
-  **2018** Reviewer for International Journal of Plant Sciences (1x), Oxford Bibliographies (1x)
-  **2016** General horticulture volunteer at Garfield Park Conservatory 

Other Awards

-  **2018** Recipient of the Biological Sciences Department Travel Award
-  **2017** Accepted to NSF-funded workshop on Bayesian Analysis of Macroevolutionary Mixtures 
-  **2017** Recipient of the Biological Sciences Department Travel Award
-  **2017** Accepted to microMORPH Plant Anatomy Summer Course at Harvard University 

Selected Professional Experience

Forensic Molecular Biologist at NYC Office of Chief Medical Examiner 2012–2015

Health Research Intern at NYC Department of Health 2011–2012

Field Manager & Administrative Assistant at Working Families Party 2008–2011
New York State political action organization focused on economic justice.

Other positions 2007–2020
Like so many of our students, I held a variety of positions to support myself throughout my scholarly career: cashier, hostess, waitress, receptionist, babysitter, dog walker, bowling alley mechanic, substitute teacher, tutor, and barista. Such experiences inform my mentorship of students that face the unique challenges inherent in balancing work with the pursuit of postsecondary degrees.